

## **Abstract**

A monitoring system for monitoring fluid used in an environment such as a trade/industrial waste plant or air conditioning cooling tower installation is disclosed. The system includes sensors (26 to 34, 53 to 55) for sensing parameters of the fluid, a remote monitoring system (40) for receiving signals indicative of the measured parameters from the sensors and for applying rules to the signals to determine whether the signals meet predetermined criteria so that an event indication can be generated if the predetermined criteria are not met. The system (40) includes a processor (41) and a memory (42). The system (40) is connected to a central station (72) by a communication link (74). The central station (72) includes a server (80) and data store (82) which are connected to the Internet so the data can be interrogated by a user *via* a PC (86). The system also generates an audible or visual alarm (62) or forwards a message to authorised personnel *via* SMS message to a mobile telephone (87) or by e-mail in the case of an event condition being generated. A user is able to log onto the system and interrogate data retained in the system relating to the user's sites to determine the operating parameters of the system and also to determine problems if an event indication is established.